

**Jeffrey Quilliam**, Université de Sherbrooke

**Title:**

NMR for the study of magnetism in condensed matter physics.

**Abstract:**

In this talk, I will introduce the technique of nuclear magnetic resonance (NMR) and some related experimental methods. I will then explain how NMR can be used as a highly local probe in materials, primarily exploring magnetic degrees of freedom. Finally, I will give several examples of how it has been employed to study some particularly important problems in modern condensed matter physics with a concentration on the field of frustrated magnetism.